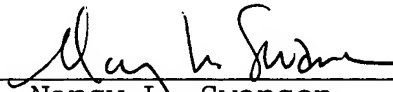




PATENT
Atty. Docket No. PP-15805.004

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Nancy L. Swanson

12/12/03
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: SUDDUTH-KLINGER et al.
Confirmation No.: 5219
U.S. Application No. 10/616,900
Filing Date: July 9, 2003
Group Art Unit: 1631
Examiner: Unassigned
For: GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN
CANCEROUS COLON CANCER CELLS AND THEIR
METHODS OF USE

POWER OF ATTORNEY FOR PATENT APPLICATION

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As assignee of record of the above-identified application, I hereby appoint the following as my attorneys with full power of substitution to prosecute this application and transact all business in the patent office connected therewith:

Comprising Chiron Corporation, Emeryville, California:

<u>Name</u>	<u>Reg. No.</u>	<u>Name</u>	<u>Reg. No.</u>
Lisa E. Alexander	41,576	Robert P. Blackburn	30,447
Steven W. Collier	42,429	Young J. Suh	41,337
Rebecca M. Hale	45,680	Alisa A. Harbin	33,895
Charlene A. Launer	33,035	Marcella Lillis	36,583

Comprising the firm of Bozicevic, Field & Francis LLP,
Menlo Park, California:

Carol L. Francis
Registration No. 36,513

James S. Keddie
Registration No. 48,920

Please direct all telephone calls regarding this application to James S. Keddie at
Bozicevic, Field & Francis LLP: Telephone (650) 327-3400; Facsimile (650) 327-3231.

Address for ALL Correspondence:

Chiron Corporation
Intellectual Property
P.O. Box 8097
Emeryville, CA 94662-8097

CHIRON CORPORATION

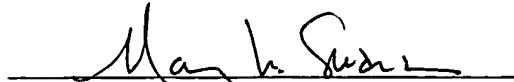
By: 
Charlene A. Launer
Assistant Secretary

Dated this 12 day of December, 2003



PATENT
Atty. Docket No. PP-15805.004

Hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Nancy L. Swanson

12/12/03
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: SUDDUTH-KLINGER et al.
Confirmation No.: 5219
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For: GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN
CANCEROUS COLON CANCER CELLS AND THEIR
METHODS OF USE

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Sir:

CHIRON CORPORATION, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:

1. ☒ the assignee of the entire right, title, and interest,
or
2. ☐ an assignee of an undivided part interest in the patent
application/patent identified above by virtue of
either:

DO NOT FORWARD TO ASSIGNMENT BRANCH

A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The patent application identified above claims benefit of U.S. Patent Application No. 09/872,850, filed June 1, 2001, wherein an Assignment was recorded at the Assignment Branch of the U.S. Patent and Trademark Office on January 23, 2002 at Reel and Frame No. 012512/0817, for which a copy thereof is attached.

B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned is empowered to act on behalf of the assignee.

Signature: Charlene A. Launer
Name: Charlene A. Launer
Title: Assistant Secretary
CHIRON CORPORATION

Date: 12/12/03

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UNITED STATES
PATENT AND
TRADEMARK OFFICE



MARCH 25, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

CHIRON CORPORATION
KIMBERLIN L. MORLEY
PO BOX 8097
INTELLECTUAL PROPERTY DEPARTMENT
EMERYVILLE, CALIFORNIA 94662-8097



101966018A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/23/2002

REEL/FRAME: 012512/0817
NUMBER OF PAGES: 30

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SUDDUTH-KLINGER, JULIE

DOC DATE: 11/09/2001

ASSIGNOR:

REINHARD, CHRISTOPH J.

DOC DATE: 10/25/2001

ASSIGNOR:

LAMSON, GEORGE

DOC DATE: 10/29/2001

ASSIGNOR:

KAUFMANN, JOERG

DOC DATE: 09/12/2001

ASSIGNOR:

ESCOBEDO, JAIME

DOC DATE: 10/23/2001

ASSIGNOR:

RANDAZZO, FILIPPO

DOC DATE: 10/22/2001

ASSIGNOR:

GARCIA, PABLO

DOC DATE: 11/01/2001

DOCKETED on/by 4/1/02
Atty. KLM RA
File # PP15805.002
Due Date _____ Ent _____
Final Date _____

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012512/0817 PAGE 2

ASSIGNOR:

KENNEDY, GIULIA

DOC DATE: 10/01/2001

ASSIGNEE:

CHIRON CORPORATION

PO BOX 8097

INTELLECTUAL PROPERTY DEPARTMENT

EMERYVILLE, CALIFORNIA 94608-8097

SERIAL NUMBER: 09872850

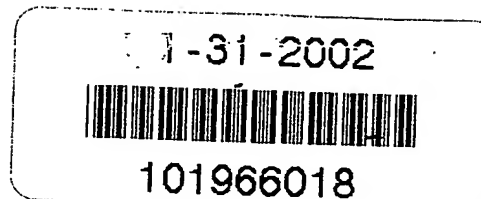
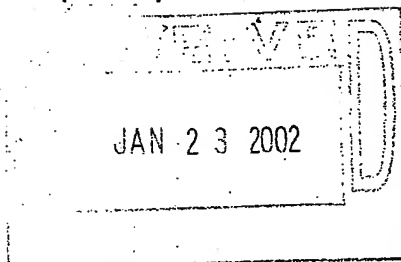
FILING DATE: 06/01/2001

PATENT NUMBER:

ISSUE DATE:

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231-0001, Attn: Box Assignments, on November 9, 2001.

Nancy L. Swanson
Nancy L. Swanson

11/9/01
Date

1.23.02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: JULIE SUDDUTH-KLINGER et al.

Serial No.: 09/872,850

Group Art: 1645

Filed : June 1, 2001

Examiner: Unassigned

For : GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS COLON CANCER CELLS AND THEIR METHODS OF USE

ASSIGNMENT DOCUMENT COVER LETTER

Box Assignment
Assistant Commissioner for Patents
Washington, D.C. 20231

1. The accompanying assignment covers the patent or application identified above.

X No other patents or applications are covered by the assignment.

Other patents and/or applications are covered by the assignment as shown on the attached LIST OF PATENTS AND/OR APPLICATIONS COVERED BY ASSIGNMENT.

01/30/2002 LNUELLER 00000115 09872850

01 FC:581

40.00 0P

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NAMES OF PARTY MAKING TRANSFER

- | | | | | |
|----|---------|-----------------------|---------|------------------|
| 2. | Name 1: | Julie Sudduth-Klinger | Name 2: | Jaime Escobedo |
| | Name 3: | Christoph J. Reinhard | Name 4: | Filippo Randazzo |
| | Name 5: | George Lamson | Name 6: | Pablo Garcia |
| | Name 7: | Joerg Kaufmann | Name 8: | Giulia Kennedy |

IDENTITY OF PARTY TO WHOM TRANSFER IS MADE

3. Transfer is being made to:

CHIRON CORPORATION
Intellectual Property Department
P.O. Box 8097
Emeryville, California 94608-8097 USA

INTENTION OF DOCUMENT

4. The accompanying document is an:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> License
<input type="checkbox"/> Security Interest	<input type="checkbox"/> Other

☒ Execution Dates: October 23, 2001, October 25, 2001, October 22, 2001, October 29, 2001, November 1, 2001, October 1, 2001, September 12, 2001, and November 9, 2001.

FEE PAYMENT

5. Total fee due \$40.00
6. ☐ Charge Deposit Account No. 03-1664 in the sum of \$40.00.
- ☒ Enclosed is a check for \$40.00.

☒ The Assistant Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 03-1664. THIS IS NOT AN AUTHORIZATION FOR PAYMENT OF ANY ISSUE FEES.

**ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL
BY PTO**

7. Please return the recorded document to:

CHIRON CORPORATION
Intellectual Property Department
P.O. Box 8097
Emeryville, California 94662-8097
United States of America

STATEMENT BY THE PARTY

8. I hereby submit that, to the best of my knowledge and belief, the foregoing information contained herein is true and correct and any copy submitted herewith is a true and correct copy of the original document.

Respectfully submitted,

By: 

Kimberlin L. Morley
Attorney for Assignee
Reg. No. 35,391

Dated: November 9, 2001

CHIRON CORPORATION
Intellectual Property - R440
P.O. Box 8097
Emeryville, California 94662-8097
TEL: (510) 923-8406
FAX: (510) 655-3542

Total number of pages comprising cover sheet: 30 (Assignment Cover Letter plus Original Assignment)

ASSIGNMENT

WHEREAS, We, JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY, hereinafter referred to as ASSIGNORS, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
 IN CANCEROUS COLON CANCER CELLS AND
 THEIR METHODS OF USE

Date of Execution: October 23, 2001, October 25, 2001, October 22, 2001,
 October 29, 2001, November 1, 2001, November 9, 2001

Filing Date: 06/01/2001

Serial No.: 09/872,850

WHEREAS, CHIRON CORPORATION, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by ASSIGNEE or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

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ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

^{11/09/01}
JSK 11/09/01
JSK 11/09/01

INVENTOR: JULIE SUDDUTH-KLINGER

DATE 11/09/01

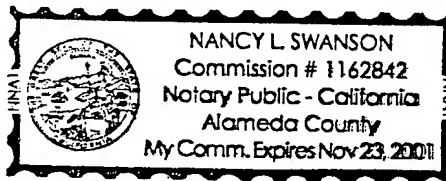
Julie Sudduth-Klinger
Signature

State of California
County of Alameda

On 11/9/01 before me, Nancy L. Swanson, Notary Public, personally appeared Julie Sudduth-Klinger personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he~~/~~she~~/~~they~~ executed the same in ~~his~~/~~her~~/~~their~~ authorized capacity(ies), and that by ~~his~~/~~her~~/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JAIME ESCOBEDO

DATE 10/23/01

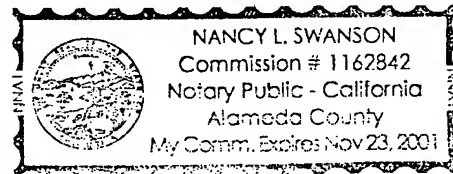
Jaime Escobedo
Signature

State of California
County of Alameda

On 10/23/01 before me, Nancy L. Swanson Notary Public,
personally appeared Jaime Escobedo, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~/~~she~~/~~they~~ executed the same in
~~his~~/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by ~~his~~/~~her~~/~~their~~ signature(s) on the
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: CHRISTOPH J. REINHARD

DATE 10/25/2001

C. Reinhard
Signature

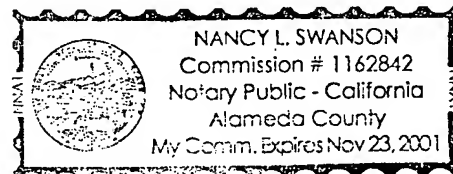
State of California

County of Alameda

On 10/25/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Christoph J. Reinhard personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he/she/they~~ executed the same in
~~his/her/their~~ authorized capacity(~~ies~~), and that by ~~his/her/their~~ signature(~~s~~) on the
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: FILIPPO RANDAZZO

DATE 10/22/01



Signature

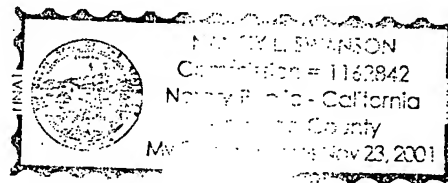
State of California

County of Alameda

On 10/22/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Filippo Randazzo, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/~~she~~/they executed the same in
his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature(~~s~~) on the
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed
the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GEORGE LAMSON

DATE 10/29/01

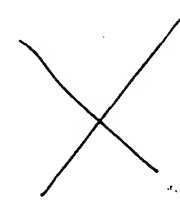
George Lamson
Signature

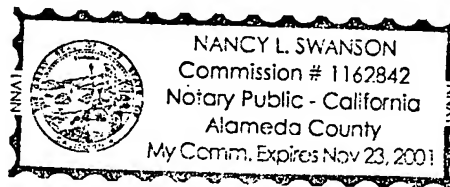
State of California
County of Alameda

On 10/29/01 before me, Nancy L. Swanson Notary Public,
personally appeared George Lamson, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~/she/they executed the same in
~~his~~/her/their authorized capacity(~~ies~~), and that by ~~his~~/her/their signature(~~s~~) on the
instrument the person(~~s~~) or the entity upon behalf of which the person(s) acted, executed
the instrument.

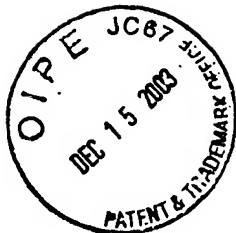
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Nancy L. Swanson
Signature of Notary Public


Notary Seal



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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: PABLO GARCIA

DATE

11/1/01

Pablo Garcia
Signature

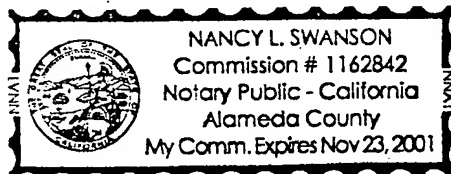
State of California

County of Alameda

On 11/1/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Pablo Garcia, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~ ~~she~~ ~~they~~ executed the same in
~~his~~ ~~her~~ ~~their~~ authorized capacity(~~ies~~), and that by ~~his~~ ~~her~~ ~~their~~ signature(~~s~~) on the
instrument the person(~~s~~) or the entity upon behalf of which the person(~~s~~) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE _____

Signature

Signature of person witnessing Joerg Kaufmann signing this document:

Signature

Date

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GIULIA KENNEDY

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

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Giulia Kennedy.

ASSIGNMENT

WHEREAS, We, **JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY**, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS COLON CANCER CELLS AND
THEIR METHODS OF USE**

Date of Execution: October 1, 2001

Filing Date: 06/01/2001

Serial No: 09/872,850

WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

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ASSIGNORS further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: JULIE SUDDUTH-KLINGER

DATE _____
Signature _____

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JAIME ESCOBEDO

DATE _____

Signature

State of California

County of _____

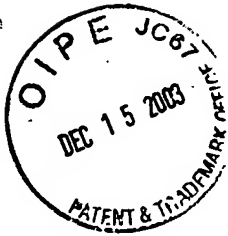
On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

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TO
ASSIGNMENT BRANCH



PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: CHRISTOPH J. REINHARD

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: FILIPPO RANDAZZO

DATE _____

Signature

State of California

County of _____

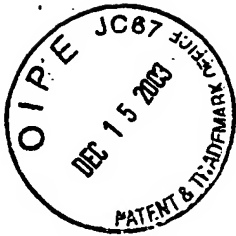
On _____ before me, _____, Notary Public,
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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GEORGE LAMSON

DATE _____
Signature _____

State of California
County of _____

On _____ before me, _____, Notary Public,
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within instrument and acknowledged to me that he/she/they executed the same in
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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: PABLO GARCIA

DATE _____

Signature

State of California

County of _____

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE _____

Signature

Signature of person witnessing Joerg Kaufmann signing this document:

Signature

Date

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GIULIA KENNEDY

DATE 10/01/01

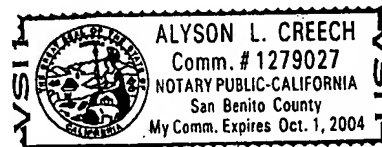
Giulia Kennedy
Signature

State of California
County of Santa Clara

On October 1, 2001 before me, Alyson L. Creech, Notary Public,
personally appeared Giulia Kennedy, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Alyson L. Creech
Signature of Notary Public



Notary Seal

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ASSIGNMENT

Joerg Kaufmann

WHEREAS, We, JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS COLON CANCER CELLS AND
THEIR METHODS OF USE

Date of Execution: September 12, 2001

Filing Date: 06/01/2001

Serial No: 09/872,850

WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

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ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: JULIE SUDDUTH-KLINGER

DATE _____
Signature _____

State of California
County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JAIME ESCOBEDO

DATE _____

Signature

State of California

County of _____

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: CHRISTOPH J. REINHARD

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State of California

County of _____

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: FILIPPO RANDAZZO

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State of California

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GEORGE LAMSON

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PATENT
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Attorney Docket No. PP-15805.002

INVENTOR: PABLO GARCIA

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE 09/12/2001

Joerg Kaufmann
Signature

Signature of person witnessing Joerg Kaufmann signing this document:

09-12-2001
Signature

J. K. Kappeler
Date

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PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: GIULIA KENNEDY

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